

## NON-INVASIVE EVALUATION OF PHYSIOLOGICAL RESPONSE IN A MAMMAL

### Abstract of the Disclosure

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The present invention relates to panels of reporter expression cassettes and the generation of transgenic non-human animals, wherein said reporter expression cassettes have selected control elements operable linked to reporter genes. The invention includes methods of use thereof for the identification and characterization of the effects of compounds administered to the live transgenic non-human animals.

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1.  $u_1, u_2, \dots, u_n$  are linearly independent vectors in  $V$ .  
 2.  $u_1, u_2, \dots, u_n$  span  $V$ .  
 3.  $u_1, u_2, \dots, u_n$  are linearly independent and span  $V$ .  
 4.  $u_1, u_2, \dots, u_n$  are linearly independent and  $n = \dim V$ .  
 5.  $u_1, u_2, \dots, u_n$  are linearly independent and  $n \leq \dim V$ .  
 6.  $u_1, u_2, \dots, u_n$  are linearly independent and  $n \geq \dim V$ .  
 7.  $u_1, u_2, \dots, u_n$  are linearly independent and  $n = \dim V$ .  
 8.  $u_1, u_2, \dots, u_n$  are linearly independent and  $n \leq \dim V$ .  
 9.  $u_1, u_2, \dots, u_n$  are linearly independent and  $n \geq \dim V$ .  
 10.  $u_1, u_2, \dots, u_n$  are linearly independent and  $n = \dim V$ .